

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,012,135 B2  
APPLICATION NO. : 09/875221  
DATED : March 14, 2006  
INVENTOR(S) : Diljeet Singh Athwal et al.

Page 1 of 6

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the drawings, Sheet 1, Fig. 1, "(SEQ ID NO: 83)" should read -- (SEQ ID NO: 87) --

In the drawings, Sheet 1, Fig. 1, "(SEQ ID NO: 84)" should read -- (SEQ ID NO: 88) --

In the drawings, Sheet 1, Fig. 1, "(SEQ ID NO: 85)" should read -- (SEQ ID NO: 89) --

In the drawings, Sheet 1, Fig. 1, "(SEQ ID NO: 86)" should read -- (SEQ ID NO: 90) --

In the drawings, Sheet 1, Fig. 1, "(SEQ ID NO: 87)" should read -- (SEQ ID NO: 91) --

In the drawings, Sheet 1, Fig. 1, "(SEQ ID NO: 88)" should read -- (SEQ ID NO: 92) --

In the drawings, Sheet 1, Fig. 1, "(SEQ ID NO: 89)" should read -- (SEQ ID NO: 93) --

In the drawings, Sheet 1, Fig. 1, "(SEQ ID NO: 90)" should read -- (SEQ ID NO: 94) --

In the drawings, Sheet 2, Fig. 2, "(SEQ ID NO: 91)" should read -- (SEQ ID NO: 95) --

In the drawings, Sheet 2, Fig. 2, "(SEQ ID NO: 92)" should read -- (SEQ ID NO: 96) --

In the drawings, Sheet 2, Fig. 2, "(SEQ ID NO: 93)" should read -- (SEQ ID NO: 97) --

In the drawings, Sheet 2, Fig. 2, "(SEQ ID NO: 95)" should read -- (SEQ ID NO: 99) --

In the drawings, Sheet 2, Fig. 2, "(SEQ ID NO: 96)" should read  
-- (SEQ ID NO: 100) -- in each instance.

In the drawings, Sheet 2, Fig. 2, "(SEQ ID NO: 97)" should read  
-- (SEQ ID NO: 101) --

In the drawings, Sheet 2, Fig. 2, "(SEQ ID NO: 98)" should read  
-- (SEQ ID NO: 102) -- in each instance.

In the drawings, Sheet 2, Fig. 2, "(SEQ ID NO: 106)" should read  
-- (SEQ ID NO: 121) --

In the drawings, Sheet 2, Fig. 2, "(SEQ ID NO: 107)" should read  
-- (SEQ ID NO: 122) --

In the drawings, Sheet 2, Fig. 2, "(SEQ ID NO: 94)" should read -- (SEQ ID NO: 98) --

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the drawings, Sheet 2, Fig. 2, “(SEQ ID NO: 108)” should read  
-- (SEQ ID NO: 123) --

In the drawings, Sheet 2, Fig. 2, “(SEQ ID NO: 109)” should read  
-- (SEQ ID NO: 124) --

In the drawings, Sheet 4, Fig. 6, “(SEQ ID NO: 99)” should read  
-- (SEQ ID NOS: 103 and 104) --

In the drawings, Sheet 5, Fig. 7, “(SEQ ID NO: 100)” should read  
-- (SEQ ID NOS: 105 and 106) --

In the drawings, Sheet 7, Fig. 9, “(SEQ ID NO: 9)” should read -- (SEQ ID NOS: 10  
and 11) --

In the drawings, Sheet 8, Fig. 10, “(SEQ ID NO:10)” should read  
-- (SEQ ID NOS: 12 and 13) --

In the drawings, Sheet 9, Fig. 11, “(SEQ ID NO: 11)” should read  
-- (SEQ ID NOS: 14 and 15) --

In the drawings, Sheet 12, Fig. 15, “(SEQ ID NO: 101)” should read  
-- (SEQ ID NOS: 107 and 108) --

In the drawings, Sheet 16, Fig. 20, “(SEQ ID No: 102)” should read  
-- (SEQ ID NOS: 109-111) --

In the drawings, Sheet 16, Fig. 20, “(SEQ ID Not: 103)” should read  
-- (SEQ ID NOS: 112-114) --

In the drawings, Sheet 16, Fig. 20, “(SEQ ID No: 104)” should read  
-- (SEQ ID NOS: 115.117) --

In the drawings, Sheet 16, Fig. 20, “(SEQ ID No: 105)” should read  
-- (SEQ ID NOS: 118-120) --

Column 3, line 13, “Enbrel™” should read -- ENBREL -- ; and on line 16,  
“Remicade™” should read -- REMICADE --.

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Column 4, line 13, "(SEQ ID NOS: 83 to 90)" should read -- (SEQ ID NOS: 87-94) -- ; and on lines 17 and 18, "heavy chain (SEQ ID NOS: 91 to 98 and 96 to 109)" should read -- (SEQ ID NOS: 95 to 102 and 121, 96, 122, 98, 123, 100, 124, and 102) -- ; and on line 28, "(SEQ ID NO: 99)" should read -- (SEQ ID NOS: 103 and 104) -- ; and on line 31, "(SEQ ID NO: 100)" should read -- (SEQ ID NOS: 105 and 106) -- ; and on line 35, "(SEQ ID NO: 9)" should read -- (SEQ ID NOS: 10 and 11) -- ; and on line 37, "(SEQ ID NO: 10)" should read -- (SEQ ID NOS: 12 and 13) -- ; and on line 39, "(SEQ ID NO: 11)" should read -- (SEQ ID NOS: 14 and 15) -- ; and on line 50, "(SEQ ID NO: 101)" should read -- (SEQ ID NO: 107) -- ; and on line 61, "(SEQ ID NOS: 102 to 105)" should read -- (SEQ ID NOS: 109-120) -- .

Column 5, line 29, "(SEQ ID NO: 99)" should read -- (SEQ ID NO: 103) -- ; and on lines 29 and 30, "(SEQ ID NO: 100)" should read -- (SEQ ID NO: 105) -- ; and on lines 35 and 36, "(SEQ ID NO: 99)" should read -- (SEQ ID NO: 103) and "(SEQ ID NO: 100)" should read -- (SEQ ID NO: 105) -- ; and on line 45, "(SEQ ID NOS: 99 and 100)" should read -- (SEQ ID NOS: 103 and 105) -- ; and on line 48, "22" be italicized; and on line 50, "300" should be italicized.

Column 6, lines 10 and 11, "(SEQ ID NOS: 83, 85, 87 and 89)" should read -- SEQ ID NOS: 87, 89, 91, and 93 -- ; and on lines 13 and 14, "(SEQ ID NOS: 91, 93, 95 and 97 and SEQ ID NOS 106, 107, 108 and 109)" should read -- (SEQ ID NOS 95, 97, 99, and 101 and SEQ ID NOS:121, 122, 123, and 124). -- ; and on lines 37 and 38, "(SEQ ID NOS: 91, 93, 95 and 97)" should read -- (SEQ ID NOS: 95, 97, 99, and 101) -- ; and on lines 50 and 51, "(SEQ ID NOS: 106, 107, 108 and 109)" should read -- (SEQ ID NOS: 121, 122, 123 and 124) -- ; and on lines 58 and 59, "(SEQ ID NOS: 83, 85, 87 and 89)" should read -- (SEQ ID NOS: 87, 89, 91 and 93) --.

Column 7, line 8, "SEQ ID NO: 111" should read -- SEQ ID NO: 126 -- ; and on line 9, "SEQ ID NO: 113" should read -- SEQ ID NO: 128 -- ; and on line 10, "SEQ ID NO: 111" should read -- SEQ ID NO: 126 -- ; and on line 11, "SEQ ID NO: 113" should read -- SEQ ID NO: 128 -- ; and on line 12, "SEQ ID NO: 110" should read -- SEQ ID NO: 125 -- ; and "SEQ ID NO: 112" should read -- SEQ ID NO: 127 -- ; and on line 23, "SEQ ID NO: 115" should read -- SEQ ID NO: 130 -- ; and on line 24, "SEQ ID NO: 113" should read -- SEQ ID NO: 128 -- ; and on line 25, "SEQ ID NO: 115" should read -- SEQ ID NO: 130 -- ; and on line 26, "SEQ ID NO: 114." should read -- SEQ ID NO: 129. -- ; and on line 56, "4000" should read -- 40,000 -- ; and on line 57, "4000" should read -- 40,000 --

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 8, lines 65 and 66, "SEQ ID NO: 115" should read -- SEQ ID NO: 130--; and on lines 66 and 67, "SEQ ID NO: 113" should read -- SEQ ID NO: 128 -- .

Column 9, line 38, "(SEQ ID NO: 11)." should read -- SEQ ID NO: 15). -- ; and on line 62, "SEQ ID NO: 9" should read -- SEQ ID NO: 10 -- ; and on line 66, "SEQ ID NO: 10" should read -- SEQ ID NO: 12 -- and "SEQ ID NO: 11" should read -- SEQ ID NO: 15 --

Column 15, line 43, "(SEQ ID NO: 12)" should read -- (SEQ ID NO: 16) --

Column 16, lines 50 and 51, "(SEQ ID NO: 100)." should read -- SEQ ID NO: 105 -- ; and on line 67, "(SEQ ID NO: 99)." should read -- (SEQ ID NO: 103) --.

Columns 17 and 18, in Table 1, "(SEQ ID NO: 13)" should read -- (SEQ ID NO: 17) -- ; "(SEQ ID NO: 14)" should read -- (SEQ ID NO: 18) -- ; "(SEQ ID NO: 15)" should read -- (SEQ ID NO: 19) -- ; "(SEQ ID NO: 16)" should read -- (SEQ ID NO: 20)-- ; "(SEQ ID NO: 17)" should read -- (SEQ ID NO: 21) -- ; "(SEQ ID NO: 18)" should read -- (SEQ ID NO: 22) -- ; "(SEQ ID NO: 19)" should read -- (SEQ ID NO: 23) -- ; "(SEQ ID NO: 20)" should read -- (SEQ ID NO: 24) --; "(SEQ ID NO: 21)" should read -- (SEQ ID NO: 25) -- ; "(SEQ ID NO: 22)" should read -- (SEQ ID NO: 26) -- ; "(SEQ ID NO: 23)" should read -- (SEQ ID NO: 27) -- ; "(SEQ ID NO: 24)" should read -- (SEQ ID NO: 28) -- ; "(SEQ ID NO: 25)" should read -- (SEQ ID NO: 29) --

Columns 17 and 18, in Table 2, "(SEQ ID NO: 26)" should read -- (SEQ ID NO: 30) -- ; "(SEQ ID NO: 27)" should read -- (SEQ ID NO: 31) -- ; "(SEQ ID NO: 28)" should read -- (SEQ ID NO: 32) -- ; "(SEQ ID NO: 29)" should read -- (SEQ ID NO: 33) -- ; "(SEQ ID NO: 30)" should read -- (SEQ ID NO: 34) -- ; "(SEQ ID NO: 31)" should read -- (SEQ ID NO: 35) -- ; "(SEQ ID NO: 32)" should read -- (SEQ ID NO: 36) -- ; "(SEQ ID NO: 33)" should read -- (SEQ ID NO: 37) -- ; "(SEQ ID NO: 34)" should read -- (SEQ ID NO: 38) -- ; "(SEQ ID NO: 35)" should read -- (SEQ ID NO: 39) -- ; "(SEQ ID NO: 36)" should read -- (SEQ ID NO: 40) -- ; "(SEQ ID NO: 37)" should read -- (SEQ ID NO: 41) -- ; "(SEQ ID NO: 38)" should read -- (SEQ ID NO: 42) -- "(SEQ ID NO: 39)" should read -- (SEQ ID NO: 43) -- ; "(SEQ ID NO: 40)" should read -- (SEQ ID NO: 44) -- ; "(SEQ ID NO: 41)" should read -- (SEQ ID NO: 45) -- ; "(SEQ ID NO: 42)" should read -- (SEQ ID NO: 46) -- ; "(SEQ ID NO: 43)" should read -- (SEQ ID NO: 47) -- ; "(SEQ ID NO: 44)" should read -- (SEQ ID NO: 48) -- ; "(SEQ ID NO: 45)" should read -- (SEQ ID NO: 49)-- ; "(SEQ ID NO: 46)" should read -- (SEQ ID NO: 50) --

Column 19, line 2, "(SEQ ID NO: 47)" should read -- (SEQ ID NO: 51) --

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Columns 19 and 20, in Table 3, "(SEQ ID NO: 48)" should read -- (SEQ ID NO: 52) -- ; and "(SEQ ID NO: 49)" should read -- (SEQ ID NO: 53) -- ; and in Table 5, "(SEQ ID NO: 50)" should read -- (SEQ ID NO: 54) -- ; and "(SEQ ID NO: 51)" should read -- (SEQ ID NO: 55) --

Column 22, line 3, "(SEQ ID NO: 9)" should read -- (SEQ ID NO: 10) -- ; and on line 65, "(SEQ ID NO: 9)" should read -- (SEQ ID NO: 10) --

Columns 21 and 22, "(SEQ ID NO: 52)" should read -- (SEQ ID NO: 56) -- ; "(SEQ ID NO: 53)" should read -- (SEQ ID NO: 57) -- ; "(SEQ ID NO: 54)" should read -- (SEQ ID NO: 58) -- ; "(SEQ ID NO: 55)" should read -- (SEQ ID NO: 59) -- ; "(SEQ ID NO: 56)" should read -- (SEQ ID NO: 60) -- ; "(SEQ ID NO: 57)" should read -- (SEQ ID NO: 61) -- ; and "(SEQ ID NO: 58)" should read -- (SEQ ID NO: 62) --

Columns 23 and 24, "(SEQ ID NO: 59)" should read -- (SEQ ID NO: 63) -- ; "(SEQ ID NO: 60)" should read -- (SEQ ID NO: 64) -- ; "(SEQ ID NO: 61)" should read -- (SEQ ID NO: 65) -- ; and "(SEQ ID NO: 62)" should read -- (SEQ ID NO: 66) --

Columns 25 and 26 ; "(SEQ ID NO: 69)" should read -- (SEQ ID NO: 73) -- ; "(SEQ ID NO: 70)" should read -- (SEQ ID NO: 74) -- ; and "(SEQ ID NO: 71)" should read -- (SEQ ID NO: 75) -- in both instances (Group 1 graft and Group 3 graft)

Column 26, lines 21 and 22, "(SEQ ID NO: 10)." should read --- (SEQ ID NO: 12). --

Columns 25 and 26, "(SEQ ID NO: 72)" should read -- (SEQ ID NO: 76) -- ; "(SEQ ID NO: 73)" should read -- (SEQ ID NO: 77) -- ; "(SEQ ID NO: 74)" should read -- (SEQ ID NO: 78) -- ; "(SEQ ID NO: 75)" should read -- (SEQ ID NO: 79) -- ; "(SEQ ID NO: 76)" should read -- (SEQ ID NO: 80) -- ; "(SEQ ID NO: 77)" should read -- (SEQ ID NO: 81) -- ; and "(SEQ ID NO: 78)" should read -- (SEQ ID NO: 82) --

Columns 29 and 30, "(SEQ ID NO: 79)" should read -- (SEQ ID NO: 83) -- and "(SEQ ID NO: 80)" should read -- (SEQ ID NO: 84) -- ;

Column 29, line 59, "(SEQ ID NO: 81)" should read -- (SEQ ID NO: 85) -- ; and on line 62, "(SEQ ID NO: 82)" should read -- (SEQ ID NO: 86) --

Column 31, line 39, "SEQ ID NO: 115" should read - SEQ ID NO: 130 -- ; and on line 40, "SEQ ID NO: 113." should read -- SEQ ID NO: 128. --

Column 91, Claim 1, line 32, "(SEQ ID NO: 11)." should read -- (SEQ ID NO: 14). -- ; and claim 2, line 35, "(SEQ ID NO: 115)." should read -- (SEQ ID NO: 130). -- ; and

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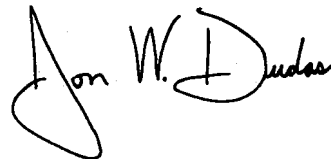
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

claim 2, line 37, "(SEQ ID NO: 113)" should read -- SEQ ID NO: 128) --

Column 92, Claim 3, line 30, "(SEQ ID NO: 115)" should read -- (SEQ ID NO: 130) -- ;  
and claim 3, line 31, "(SEQ ID NO: 113)" should read -- (SEQ ID NO: 128) -- .

Signed and Sealed this

Seventh Day of August, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looping initial "J" and a distinct "D".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*